WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:

a developer container for containing developer;

developer amount detecting means for detecting an
amount of the developer contained said developer
container;

a memory for memorizing an information concerning
the amount of the developer detected by said detecting
means; and

output means for outputting the information
concerning the amount of the developer, wherein said
output means outputs the information concerning the
developer memorized in said memory until the detection
results of said detecting means is confirmed.

2. An image forming apparatus according to claim
1, wherein said output means outputs the information
memorized in said memory immediately after the power
source of said apparatus is inputted.

3. An image forming apparatus according to claim
1, wherein at least said developer container is
detachably attachable to said apparatus, and said
output means outputs the information memorized in said
memory immediately after said developer container is
inserted in said apparatus.

4. An image forming apparatus according to claim 1, wherein said output means outputs the information memorized in said memory immediately after a door of an apparatus main body is closed.

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5. An image forming apparatus according to claim 1 further comprising a display, wherein the information outputted from said output means is indicated on said display.

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6. An image forming apparatus according to claim 1, wherein said apparatus can communicate with an electronic apparatus having a display, and said output means outputs the information to the electronic apparatus.

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7. An image forming apparatus according to claim 1 further comprising a video controller for developing image data transmitted from an external apparatus and producing an image signal, wherein said output means is provided in said video controller.

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8. An image forming apparatus according to claim 7 further comprising a comparing means for comparing remained developer amount information memorized in said memory with remained developer amount information to be detected by said detecting means, wherein said

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comparing means is provided in said video controller.

7 ~~9~~. An image forming apparatus according to claim
1, wherein the information concerning a remained

5   developer amount is a remained amount information.

8 ~~10~~. An image forming apparatus according to claim
1, wherein the information concerning developer amount
is an information indicating that a remained developer

10   amount is less than a predetermined amount.

9 ~~11~~. An image forming apparatus according to claim
1, wherein the information concerning developer amount
is an information indicating that no developer remains.

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10 ~~12~~. An image forming apparatus according to claim
1, wherein the information concerning developer amount
is an information indicating that a remained developer
amount is less than a predetermined amount and an

20   information indicating that no developer remains.

11 ~~13~~. An image forming apparatus comprising:
       a developer container for containing developer;
       developer amount detecting means for detecting an

25   amount of the developer contained in said developer
container;
       a memory for memorizing a remained developer

amount detected by said detecting means, remained

amount information memorized in the memory being

serially updated; and

output means for outputting remained developer

5   amount information, wherein said output means outputs

either a remained developer amount information

memorized in said memory or a remained developer amount

information detected by said detecting means.

10   12 14. An image forming apparatus according to claim

11 13, wherein said output means outputs the remained

amount information memorized in said memory until a

detection results of said detecting means is confirmed.

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15   15. An image forming apparatus according to claim

11 13, said output means outputs the remained amount

information memorized in said memory immediately after

the power source of said apparatus is inputted.

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20   16. An image forming apparatus according to claim

11 13, wherein at least said developer container is

detachably attachable to said apparatus, and said

output means outputs the remained amount information

memorized in said memory immediately after said

25   developer container is inserted in said apparatus.

17. An image forming apparatus according to claim

13, wherein, after a detection result of said detecting

means is confirmed, said output means compares the

remained amount information memorized in said memory

with the remained amount information detected by said

5   detecting means and outputs the information indicating

the lesser amount.

15   18. An image forming apparatus according to claim

13 further comprising a display, wherein the remained

10   amount information outputted from said output means is

indicated on said display.

16   19. An image forming apparatus according to claim

18, wherein said apparatus can communicate with an

15   electronic apparatus having a display, and said output

means outputs the remained amount information to the

electronic apparatus.

20. An image forming apparatus according to claim

20   13 further comprising a video controller for developing

image data transmitted from an external apparatus and

producing an image signal, wherein said output means is

provided in said video controller.

18   21. An image forming apparatus according to claim

25   20 further comprising comparing means for comparing the

remained developer amount information memorized in said

memory with the remained developer amount information to be detected by said detecting means, wherein said comparing means is provided in said video controller.

5   22.   A cartridge detachably mountable on an image forming apparatus comprising:

developer container; and

a memory for memorizing a remained developer amount in said developer container, wherein the

10   remained amount information memorized in said memory is serially updated.

23.   A cartridge according to claim 22 further comprising developer amount detecting means for

15   detecting an amount of the developer contained in said developer container.

24.   A cartridge according to claim 22 further comprising a writing means for writing information into

20   said memory.

25.   A cartridge according to claim 22, wherein said apparatus is further provided with comparing means for comparing a remained developer amount information

25   memorized in said memory with remained developer amount information to be detected by a detecting means.

26. A cartridge according to claim 22, wherein said memory further memorizes an information indicating that a remained developer amount is less than a predetermined amount.

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27. A cartridge according to claim 22, wherein said memory further memorizes an information indicating that no developer remains.

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28. A cartridge according to claim 22, wherein said memory further memorizes an information indicating that a remained developer amount is less than a predetermined amount and an information indicating that no developer remains.

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29. A cartridge according to claim 22 further comprising at least one of an electrophotosensitive member, charging means for charging said electrophotosensitive member, a developing means for

20 supplying the developer to said electrophotosensitive member and cleaning means for cleaning said electrophotosensitive member.

30. An image forming apparatus comprising:

25 a developer container for containing developer;

developer amount detecting means for detecting an amount of the developer contained in said developer

container;

a memory for memorizing a remained developer amount detected by said detecting means, remained amount information memorized in said memory being serially updated; and

comparing means for comparing the remained developer amount information memorized in said memory with a remained developer amount information to be detected by said detecting means.

31. An image forming apparatus according to claim 30, wherein said comparing means compares the remained developer amount information memorized in said memory with the remained developer amount information to be detected by said detecting means and, when the difference between the informations is equal to or larger than a predetermined amount, determines that said apparatus is abnormal.

32. An image forming apparatus according to claim 31 further comprising a display, wherein said display shows an indication showing abnormality when said apparatus is abnormal.

33. An image forming apparatus according to claim 31 further comprising output means for outputting an information concerning the comparison results of said

comparing means to an electronic apparatus having a display that can communicate with said apparatus.

34. An image forming apparatus according to claim 5 31, wherein said memory further memorizes abnormality information.

35. An image forming apparatus according to claim 31, wherein the remained developer amount information 10 memorized in said memory is not updated when the difference between the remained developer amount information memorized in said memory and the remained developer amount information to be detected by said detecting means is equal to or larger than a 15 predetermined value.

36. An image forming apparatus according to claim 35, wherein the remained developer amount information memorized in said memory is not updated when the 20 difference between the remained developer amount information memorized in said memory and the remained developer amount information to be detected by said detecting means is smaller than the predetermined value and the remained developer amount information to be 25 detected by said detecting means is larger than the remained developer amount information memorized in said memory.

37. An image forming apparatus according to claim
36, wherein the remained developer amount information
memorized in said memory is indicated when the
difference between the remained developer amount

5   information memorized in said memory and the remained
developer amount information to be detected by said
detecting means is smaller than the predetermined value
and the remained developer amount information to be
detected by said detecting means is larger than the

10   remained developer amount information memorized in said
memory.

38. An image forming apparatus comprising:
a developer container for containing developer;

15   developer amount detecting means for detecting an
amount of the developer contained in said developer
container;
a memory for memorizing an information concerning
the developer amount detected by said detecting means,

20   said memory memorizing first information indicating
that a remained developer amount is less than a
predetermined amount and second information indicating
that no developer remains; and
output means for outputting information indicating

25   abnormality of the apparatus in case that said
detecting means detects the second information when the
first information is not memorized in said memory.

39. A cartridge detachably mountable on an image forming apparatus comprising:

a developer container; and

a memory for memorizing first information

5   indicating that a remained developer amount in said developer container is less than a predetermined amount and second information indicating that no developer remains.

10   40. A cartridge according to claim 39, wherein said memory further memorizes an information indicating that abnormality has occurred in said apparatus or said cartridge.

15   41. A cartridge according to claim 40 further comprising developer amount detecting means for detecting an amount of the developer contained in said developer container.

20   42. A cartridge according to claim 40 further comprising a writing means for writing information into said memory.

43. A cartridge according to claim 40, wherein

25   said apparatus is further provided with comparing means for comparing a remained developer amount information memorized in said memory with the remained developer

amount information to be detected by detecting means.

44. A cartridge according to claim 40 further comprising at least one of an electrophotosensitive member, charging means for charging said electrophotosensitive member, a developing means for supplying the developer to said electrophotosensitive member, cleaning means for cleaning said electrophotosensitive member.

45. An image forming apparatus comprising:

a developer container for containing developer; and

developer amount detecting means for detecting an amount of the developer contained in said developer container,

wherein said detecting means can detect an amount of the developer by a first detecting method and a second detecting method having a detection time shorter than that of the first detecting method.

46. An image forming apparatus according to claim 45, wherein said detecting means calculates developer amount by the second detecting method immediately after the power source of said apparatus is inputted and while an amount of the developer is detected by the first detecting method.

47. An image forming apparatus according to claim
45, wherein at least said developer container is
detachably attachable to said apparatus, and said
detecting means calculates developer amount by the
5 second detecting method immediately after said
developer container is inserted in said apparatus and
while an amount of the developer is detected by the
first detecting method.

10 48. An image forming apparatus according to claim
45, wherein said detecting means calculates developer
amount by the second detecting method immediately after
a door of an apparatus main body is closed and while an
amount of the developer is detected by the first
15 detecting method.

49. An image forming apparatus according to claim
45 further comprising a memory for memorizing the
amount of the developer detected by the first detecting
20 means, wherein the developer amount information to be
memorized in said memory is serially updated.

50. An image forming apparatus according to claim
49 further comprising abnormality detecting means for
25 detecting abnormality by comparing the amount of the
developer memorized in said memory with the amount of
the developer to be detected by the second detecting

method.

51. An image forming apparatus according to claim 50, wherein said abnormality detecting means determines that said apparatus is abnormal when the difference between the amount of developer memorized in said memory and the amount of the developer to be detected by the second detecting method is larger than a predetermined amount.

52. An image forming apparatus according to claim 51 further comprising a display, wherein said display shows an indication showing abnormality when said apparatus is abnormal.

53. An image forming apparatus according to claim 51 further comprising output means for outputting an information concerning an abnormality information to an electronic apparatus having a display that can communicate with said apparatus.

54. An image forming apparatus according to claim 50, wherein said memory further memorizes abnormality information.